

Approved for public release; distribution unlimited.

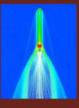
maintaining the data needed, and c including suggestions for reducing	lection of information is estimated to ompleting and reviewing the collect this burden, to Washington Headqu uld be aware that notwithstanding ar DMB control number.	ion of information. Send comments arters Services, Directorate for Info	regarding this burden estimate rmation Operations and Reports	or any other aspect of the 1215 Jefferson Davis	nis collection of information, Highway, Suite 1204, Arlington
1. REPORT DATE JUL 2004		2. REPORT TYPE		3. DATES COVE	RED
4. TITLE AND SUBTITLE		5a. CONTRACT NUMBER			
Introduction to CF	apabilities 5b. GRANT NUMBER				
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) Sukumar Chakravarthy				5d. PROJECT NUMBER BMSB	
				5e. TASK NUMBER R37E	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Air Force Research Laboratory (AFMC),AFRL/PRSA,10 E. Saturn Blvd.,Edwards AFB,CA,93524-7680				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITO		10. SPONSOR/MONITOR'S ACRONYM(S)			
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAIL Approved for publ	LABILITY STATEMENT ic release; distributi	on unlimited			
13. SUPPLEMENTARY NO	OTES				
14. ABSTRACT N/A					
15. SUBJECT TERMS					
16. SECURITY CLASSIFIC		17. LIMITATION OF	18. NUMBER	19a. NAME OF	
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	ABSTRACT	OF PAGES 4	RESPONSIBLE PERSON

Report Documentation Page

Form Approved OMB No. 0704-0188













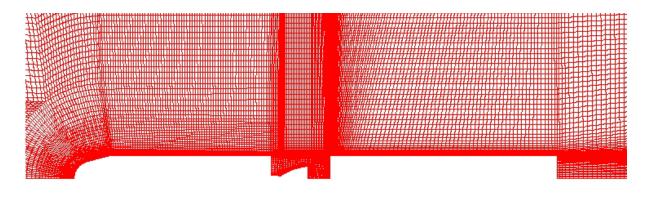


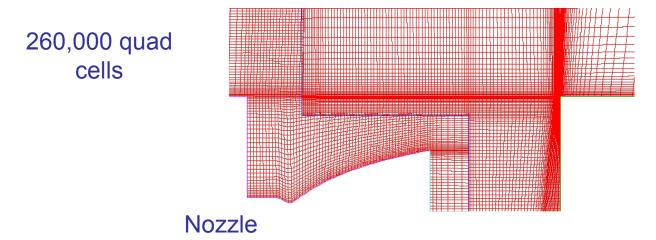




Missile Staging

Geometry and Grid















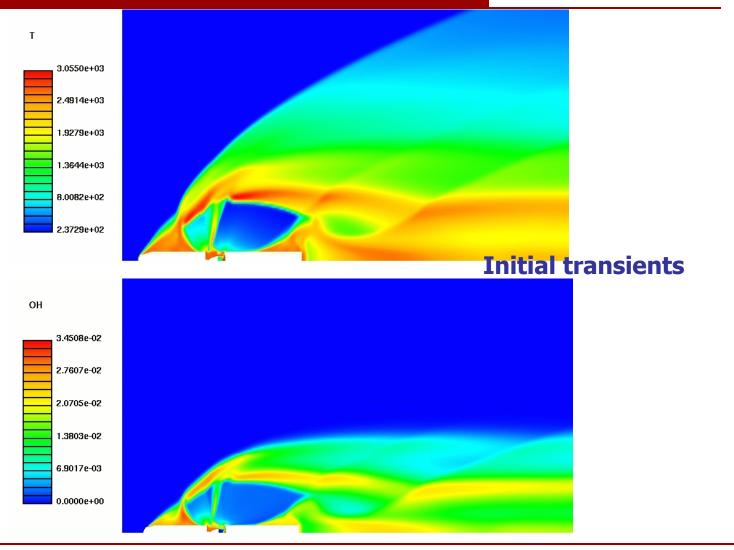








Missile Staging Early Transients





















3D Paddle/Plume Interaction

